

# HMI Compact Fresnel 4000 watts kit

Reference: LHF-COMPACT4000



- Power: 4000W
- Light output 5m: 85000lx (spot) / 7000lx (flood)
- Daylight-balanced (6000K) Fresnel spotlight
- Single ended line of Metal-Halide lamps (HMI\*)
- Adjustable beam angle from spot 7° to flood 60°
- High quality Fresnel lens with short focal length
- Sturdy die cast aluminum construction
- Includes: ballast, power cable, barn doors, case



## Product description:

High output, daylight-balanced Fresnel spotlight

The Cinelight Compact 4000 HMI light is a high output, daylight Fresnel spotlight designed for the TV/Film industry where a sharp cutting, intense field of light is required. Using the single ended line of Metal-Halide lamps (HMI\*), the fixture delivers excellent quality daylight output.

## True Fresnel lens and smooth focusing mechanism

The high quality Fresnel lens with short focal length and wide angles increases the light output and delivers superior optical performance. The adjustable focus from spot (7°) to flood (60°) makes it easy to obtain the desired intensity or beam width.

## Fully die cast aluminum housing

The Cinelight Compact 4000 HMI is using a series of aluminum extrusions and aluminum corrosion castings for the housing to quickly dissipate the heat that comes from the light bulb, therefore increasing the lamp's life. The amount of time needed for the fixture to cool down is reduced so it's easier to handle.

## High speed & flicker-free HMI ballast

As with any HMI fixture, the Cinelight HMI Fresnel lights require a ballast in order to function. The Cinelight HMI electronic ballast complies to the industry's high demanding requirements: flicker free, very low noise, high output and stable long-term operation. The ballast features a rugged and compact design for easy handling on the field.

The ballast employs the ALF technology (Active Line Filter) which minimizes the power line interference, providing a higher Power Factor for a more efficient power use. This translates to a consistent color temperature and flicker-free dimming, despite power line voltage fluctuations.

The dedicated high-speed function of the ballast drives the lamp to 300Hz or 1kHz to ensure a flicker-free image in slow motion shootings.

The ON/OFF power switch on the ballast control panel allows for hot re-striking, while the dedicated dimming knob vary the power down to 50%.

Safety circuits such as over-voltage, over-temperature and short-circuit protection provide a safe and reliable operation.

## Transport case included

For easy transportation and safe storage, a hard case is included which accommodates the kit's components: HMI Fresnel lamp head, electronic ballast, power cable and metal barndoors.

## Wide range of applications in the film industry

The daylight-balanced output provided by the HMI fixtures is an essential artificial lighting source in many situations (for example, for supplementing the natural daylight in a scene or when tungsten-balanced scenes require a blue "moonlight"). Another common application is making sunlight effects through window, both on location and inside a studio setup. The HMI Fresnel can be used along with a diffusion panel or bounced into a reflective surface to create a large soft lighting source.

## Product features:

Rated power: 4000 watts  
Beam type: spot  
Color temperature: 6000K  
Beam angle: 7°-60°  
Power connector type: CEE 2P+E  
Power cord total length: 3.5 m  
DMX control: Optional  
Yoke mount: Spigot 28mm pin  
Housing material: Aluminum  
Housing color: Gray & blue  
Lamp type: HMI 4000W/SE  
Lamp socket: GX38  
Lens type: Fresnel  
Lens size: 300 mm  
Photometrics spot mode: 5m: 85000lx | 10m: 21250lx | 15m: 9445lx  
Photometrics flood mode: 5m: 7000lx | 10m: 1750lx | 15m: 778lx  
Spot-Flood selector type: Mechanical  
Lamp head weight: 24 kg  
Lamp head dimensions: 94 x 55 x 46  
Ballast power: 2500W / 4000W  
Ballast line power: 4650VA  
Ballast operation voltage: 90-265VAC  
Ballast nominal current: 19A-52A  
Ballast current characteristics: Square wave, 75Hz  
Ballast power factor: 0.98  
Ballast dimming range: 100%-50%  
Ballast starting: Hot re-strike  
ballast power cable length: 7.0 m  
Ballast dimensions: 24 x 37 x 45 cm  
Ballast weight: 20 kg  
Ballast protection class: IP32  
Ballast frequency : 50-60 Hz